

IDENTIFICATION

Species: *Marchantia polymorpha*

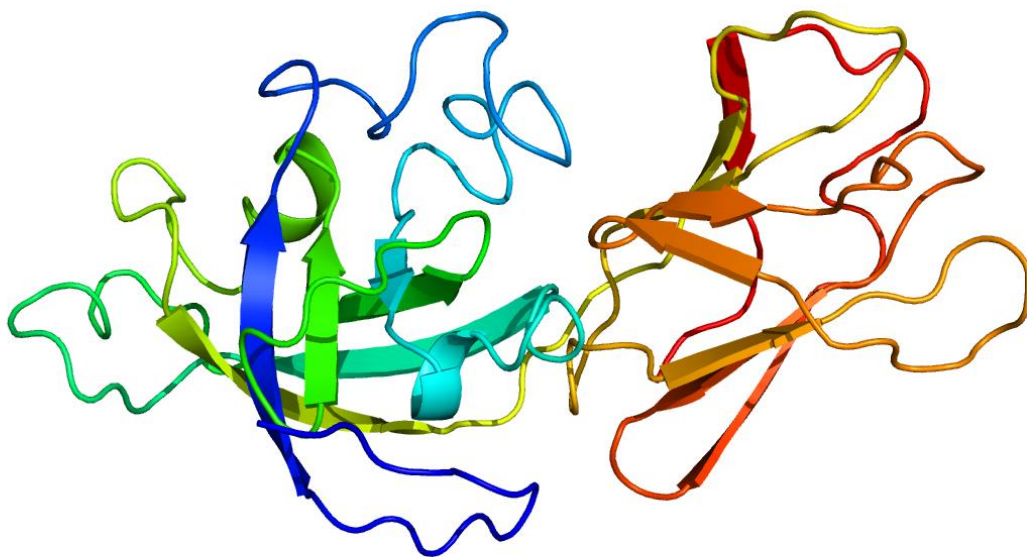
Locus: Mapoly0118s0014

Gene Model: Mapoly0118s0014.1.p

Description: MpoEXPA-28

Family: Alpha Expansin

3D structure:



GENOME DATABASES

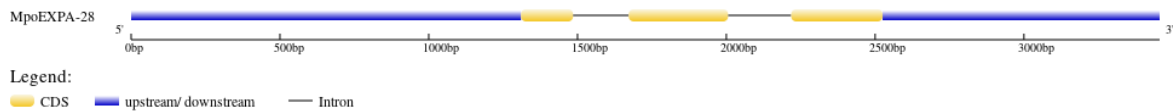
Phytozome: https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1

KEGG:-

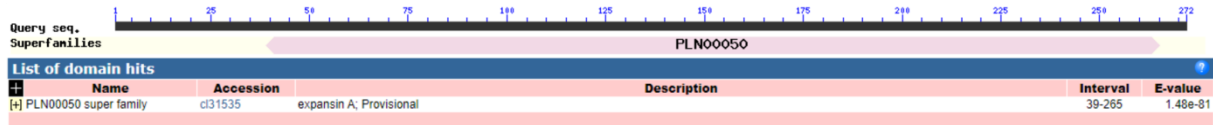
EXTERNAL RESOURCES

<https://marchantia.info/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MpoEXPA-28

MARFQDLAVLQSVACALAFVLLGNSNPAMVEAYPAAWDVTTWTDSHVTFYGASDGI
ETMGGACGYGNLWWRGYGLETAALSDTLNDGLTCGACYQIKCNIASGGYSTKWC
YPSNPTIQVTATNRCPPNWDPRPTNAGGWCNPPRTHFDLPLVMFERMAQAVAGIIPVK
YRRVPCVKSGGIKFFLGGNPWFNLVLVYNVAGGGNVKNMQMRGDKTVWYTMKRN
WGQFWECPIGFRGQKLSFIVTLSNGQVRVINNLTELWYFGQTYEALTNF*

CDS (coding sequence)

>MpoEXPA-28

ATGGCGAGATTCCAAGACCTGGCGGTGCTCCAGTCTGTTGCATGTGCGTTGGCCT
TCGTGCTCTTGGGCAGCAACCCGGCGATGGTTGAGGCATACCCTGCAGCTTGGGA
CGTTACCACTTGGACTGACTCGCACGTAACCTTTTACGGTGCAAGCGATGGCATT
GAGACTATGGGTGGTGTCTTGCAGGATACGGAAACCTTTGGTGGCGAGGATATGGG
CTCGAGACCGCTGCTCTGAGTGACACTCTTCTCAACGACGGGCTCACATGCGGAG
CTTGTTATCAAATCAAGTGCAACATCGCCAGTGGAGGGTACAGCACCAAATGGTG
CTATCCCAGCAACCCACCATTCAAGTAACCGCAACGAATCGGTGCCCTCCCAAC
TGGGACCGACCCACGAATGCTGGAGGATGGTGCAACCTCCCAGGACTCACTTCG
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CGTCAAGTATCGCAGGGTGCCGTGCGTAAAGTCTGGCGGCATCAAGTTTTTCTC
GGTGGGAACCCATGGTTCAACCTTGTCTCGTCTACAACGTAGCCGGAGGAGGAA
ATGTGAAGAACATGCAGATGAGAGGGGACAAGACTGTCTGGTACACCATGAAGA
GGAAGTGGGGTCAATTTTGGGAATGTCCATCGGATTCAGAGGCCAGAAGCTTTC
CTTCATCGTCACCTTGTCCAATGGACAGGTGCGAGTCATCAACAACCTCACTACA
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Nucleotide

>MpoEXPA-28

TTCTGATTACTGCCGAAAGCAGCTTGGGAAGAATGTTGTGCCAGGTTGCGGTGC
CACAGAACGAGGTAGATCATGTCCAGATAATCTGACATTCTCGCTTCTGCTGCCG
GCTTGGGCGTTGACCCCGCGTGC GAAGCCCTCGACCTGCGGACATTTGGACACA
CCGGCCCATGTCAACCCACGGTGAGCTCGGAGACCAACTGCAGCCCCAGGCCAT
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CAGCCAATCAATCTCGTGTTGATTGCTTTCGAGAGTACGTTCTTTCTAGCTCCAAA
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CAGGGGCTCTGATGTAGAATTGTGAATCGTGTCAGTGACAGACTCTGCTTGCAAG
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